



Bureau of Air Quality Synthetic Minor Construction Permit

**BASF Chemical Corp – Seneca Site
554 Engelhard Drive
Seneca, SC, 29687
Oconee County**

Pursuant to the provisions of the *Pollution Control Act*, Sections 48-1-50(5) and 48-1-110(a), the 1976 *Code of Laws of South Carolina*, as amended, and *South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards*, the Bureau of Air Quality authorizes the construction of this facility and the equipment specified herein in accordance with the plans, specifications, and other information submitted in the construction permit application received on November 16, 2016, as amended. All official correspondence, plans, permit applications, and written statements are an integral part of the permit. Any false information or misrepresentation in the application for a construction permit may be grounds for permit revocation.

The construction and subsequent operation of this facility is subject to and conditioned upon the terms, limitations, standards, and schedules contained herein or as specified by this permit and its accompanying attachments.

**Permit Number: 1820-0033-IB
Issue Date: DRAFT**

**Engineering Services Division
Bureau of Air Quality**

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Permission is hereby granted to to establish a 40 tpy SO₂ PSD Avoidance limit for the Alloy Conversion Process.

B.1 EQUIPMENT

Equipment ID	Equipment Description	Installation Date/ Modification Date	Control Device ID	Emission Point ID
0610FE100	Top Blown Rotary Converter (TBRC)	2/2/2007	0610DC010	0601

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
C.1	<p>Equipment ID: All Control Device ID: All</p> <p>(S.C. Regulation 61-62.1, Section II.J.1.g) A copy of the Department issued construction and/or operating permit must be kept readily available at the facility at all times. The owner or operator shall maintain such operational records; make reports; install, use, and maintain monitoring equipment or methods; sample and analyze emissions or discharges in accordance with prescribed methods at locations, intervals, and procedures as the Department shall prescribe; and provide such other information as the Department reasonably may require. All records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least 5 years from the date the record was generated and shall be made available to a Department representative upon request.</p>

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Condition Number	Conditions
C.2	<p>Equipment ID: 0610FE100 Control Device ID: None</p> <p>For any source test required under an applicable standard or permit condition, the owner, operator, or representative shall comply with S.C. Regulation 61-62.1, Section IV - Source Tests.</p> <p>Unless approved otherwise by the Department, the owner, operator, or representative shall ensure that source tests are conducted while the source is operating at the maximum expected production rate or other production rate or operating parameter which would result in the highest emissions for the pollutants being tested. Some sources may have to spike fuels or raw materials to avoid being subjected to a more restrictive feed or process rate. Any source test performed at a production rate less than the rated capacity may result in permit limits on emission rates, including limits on production if necessary.</p> <p>The owner or operator shall comply with any limits that result from conducting a source test at less than rated capacity. A copy of the most recent Department issued source test summary letter, whether it imposes a limit or not, shall be maintained with the operating permit, for each source that is required to conduct a source test.</p> <p>Site-specific test plans and amendments, notifications, and source test reports shall be submitted to the Manager of the Source Evaluation Section, Bureau of Air Quality.</p>
C.3	<p>Equipment ID: 0610FE100 Control Device ID: None</p> <p>A one time source test to verify the SO₂ emissions from Top Blown Rotary Converter (TBRC) shall be conducted within 180 days after the issue date of this permit. The source test will be used to verify and establish SO₂ emission factors.</p>
C.4	<p>Equipment ID: 0610FE100 Control Device ID: None</p> <p>The owner or operator shall continue to operate under all applicable requirements, including emission limits and standards, testing, monitoring, record keeping, and reporting of the existing Title V Operating Permit (TV-1820-0033) that are not changed or contravened by this construction permit.</p>

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
C.5	<p>Equipment ID: 0610FE100 Control Device ID: None</p> <p>(S.C. Regulation 61-62.1, Section II(E) (PSD Avoidance)) SO₂ emissions from the Alloy Conversion Process shall be less than 40 tpy</p> <p>The owner/operator shall maintain sulfur content and alloy mass addition records and any other records necessary to determine process SO₂ emissions. SO₂ emissions shall be calculated on a monthly basis, and a twelve month rolling sum shall be calculated for total SO₂ emissions. Emissions from malfunctions are required to be quantified and included in the calculations. The twelve month rolling sum shall be less than 40 tons. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted semiannually.</p> <p>An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates shall only be included in the initial report. Subsequent submittals of the algorithm are required within 30 days of the change if the algorithm or basis for emissions is modified or the Department requests additional information.</p>

D. NESHAP PERIODIC REPORTING SCHEDULE SUMMARY - RESERVED**E. NESHAP – CONDITIONS - RESERVED**

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Condition Number	Condition
F.1	<p>Air dispersion modeling (or other method) has demonstrated that this facility's operation will not interfere with the attainment and maintenance of any state or federal ambient air standard. Any changes in the parameters used in this demonstration may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. The emission rates used in the determination are listed in Attachment - Emission Rates for Ambient Air Standards of this permit. Higher emission rates may be administratively incorporated into Attachment - Emission Rates for Ambient Air Standards of this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal ambient air quality standard or with any other applicable requirement. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded.</p> <p>The owner/operator shall maintain this facility at or below the emission rates as listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations of this permit. Should the facility wish to increase the emission rates listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations in the body of this permit, it may do so by the administrative process specified above. This is a State Only enforceable requirement.</p>

G. PERIODIC REPORTING SCHEDULE

Compliance Monitoring Report Submittal Frequency	Reporting Period (Begins on the startup date of the source.)	Report Due Date
Quarterly	January-March April-June July-September October-December	April 30 July 30 October 30 January 30
Semiannual	January-June April-September July-December October-March	July 30 October 30 January 30 April 30
Annual	January-December April-March July-June October-September	January 30 April 30 July 30 October 30

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Compliance Monitoring Report Submittal Frequency	Reporting Period (Begins on the startup date of the source.)	Report Due Date
Note: This reporting schedule does not supersede any federal reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, and 40 CFR Part 63. All federal reports must meet the reporting time frames specified in the federal standard unless the Department or EPA approves a change.		

G. PERIODIC REPORTING SCHEDULE

Compliance Monitoring Report Submittal Frequency	Reporting Period (Begins on the startup date of the source)	Report Due Date
Quarterly	January-March April-June July-September October-December	April 30 July 30 October 30 January 30
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Annual	January-December April-March July-June October-September	January 30 April 30 July 30 October 30
Note: This reporting schedule does not supersede any federal reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, and 40 CFR Part 63. All federal reports must meet the reporting time frames specified in the federal standard unless the Department or EPA approves a change.		

H. REPORTING CONDITIONS

Condition Number	Conditions
H.1	Reporting required in this permit, shall be submitted in a timely manner as directed in the Periodic Reporting Schedule of this permit.
H.2	All reports and notifications required under this permit shall be submitted to the person indicated in the specific condition at the following address: 2600 Bull Street Columbia, SC 29201 The contact information for the local EQC Regional office can be found at: http://www.scdhec.gov
H.3	The owner/operator shall submit written notification to the Director of Engineering Services of the date construction is commenced, postmarked within 30 days after such date.

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Condition Number	Conditions
H.4	Unless elsewhere specified within this permit, all reports required under this permit shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality.
H.5	<p>(S.C. Regulation 61-62.1, Section II.J) For sources not required to have continuous emissions monitors, any malfunction of air pollution control equipment or system, process upset or other equipment failure which results in discharges of air contaminants lasting for one hour or more and which are greater than those discharges described for normal operation in the permit application shall be reported to the Department's local Environmental Quality Control Regional office within 24 hours after the beginning of the occurrence.</p> <p>The owner/operator shall also submit a written report within 30 days of the occurrence. This report shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality and shall include, at a minimum, the following:</p> <ol style="list-style-type: none">1. The identity of the stack and/or emission point where the excess emissions occurred;2. The magnitude of excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the excess emissions;3. The time and duration of excess emissions;4. The identity of the equipment causing the excess emissions;5. The nature and cause of such excess emissions;6. The steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction;7. The steps taken to limit the excess emissions; and,8. Documentation that the air pollution control equipment, process equipment, or processes were at all times maintained and operated, to the maximum extent practicable, in a manner consistent with good practice for minimizing emissions.

I. PERMIT EXPIRATION AND EXTENSION

Condition Number	Conditions
I.1	<p>(S.C. Regulation 61-62.1, Section II.A.4) Approval to construct shall become invalid if construction:</p> <ol style="list-style-type: none">a. is not commenced within 18 months after receipt of such approval;b. is discontinued for a period of 18 months or more; orc. is not completed within a reasonable time as deemed by the Department. <p>The Department may extend the construction permit for an additional 18-month period upon a satisfactory showing that an extension is justified. This request must be made prior to the permit expiration.</p>
I.2	This provision does not apply to the time period between construction of the approved phases of a phased construction project; each phase must commence construction within 18 months of the projected and approved commencement date.

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Condition Number	Conditions
J.1	(S.C. Regulation 61-62.1 Section II.F.2) The owner/operator or professional engineer in charge of the project shall certify that, to the best of his/her knowledge and belief and as a result of periodic observation during construction, the construction under application has been completed in accordance with the specifications agreed upon in the construction permit issued by the Department.
J.2	If construction is certified as provided in S.C. Regulation 61-62.1 Section II.F.2, the owner or operator, may operate the source in compliance with the terms and conditions of the construction permit until the operating permit is issued by the Department.
J.3	<p>If construction is not built as specified in the permit application and associated construction permit(s), the owner/operator must submit to the Department a complete description of modifications that are at variance with the documentation of the construction permitting determination prior to commencing operation.</p> <p>Construction variances that would trigger additional requirements that have not been addressed prior to start of operation shall be considered construction without a permit.</p>
J.4	(S.C. Regulations 61-62.1 Section II.F.3 and 61-62.70.7) The owner or operator shall submit a written request to the Director of the Engineering Services for a new or revised operating permit to cover any new or altered source postmarked within 15 days after the actual date of initial startup unless a more stringent time frame is required by regulation. The request should be made using the appropriate Title V modification form.

K. GENERAL CONDITIONS

Condition Number	Conditions
K.1	The permittee shall pay permit fees to the Department in accordance with the requirements of S.C. Regulation 61-30, Environmental Protection Fees.

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Condition Number	Conditions
K.2	<p>In the event of an emergency, as defined in S.C. Regulation 61-62.1, Section II.L, the owner or operator may document an emergency situation through properly signed, contemporaneous operating logs, and other relevant evidence that verify:</p> <ol style="list-style-type: none">1. An emergency occurred, and the owner or operator can identify the cause(s) of the emergency;2. The permitted source was at the time the emergency occurred being properly operated;3. During the period of the emergency, the owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and4. The owner or operator gave a verbal notification of the emergency to the Department within 24 hours of the time when emission limitations were exceeded, followed by a written report within 30 days. The written report shall include, at a minimum, the information required by S.C. Regulation 61-62.1, Section II.J.1.c.i through viii. The written report shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. <p>This provision is in addition to any emergency or upset provision contained in any applicable requirement.</p>
K.3	<p>(S.C. Regulation 61-62.1, Section II.O) Upon presentation of credentials and other documents as may be required by law, the owner or operator shall allow the Department or an authorized representative to perform the following:</p> <ol style="list-style-type: none">1. Enter the facility where emissions-related activity is conducted, or where records must be kept under the conditions of the permit.2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.4. As authorized by the Federal Clean Air Act and/or the S.C. Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

L. EMISSIONS INVENTORY REPORTS - RESERVED

ATTACHMENT - Emission Rates for Ambient Air Standards**BASF – Seneca Site****1820-0033-IB****Page 1 of 13**

The emission rates listed herein are not considered enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards (see Ambient Air Standards Requirements).

AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2						
Emission Point ID	Emission Rates (lb/hr)					
	PM₁₀	PM_{2.5}	SO₂	NO_x	CO	Lead
401	--	--	--	11.000	--	--
601	--	--	11.11	--	--	--
1601	--	--	--	2.500	--	--
1603	--	--	--	2.500	--	--
1929	--	--	--	6.397	--	--
1934	--	--	--	1.762	--	--
1939	--	--	--	2.050	--	--
2101	--	--	--	9.000	--	--

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Acetaldehyde 75-07-0	Acetic Anhydride 108-24-7	Acetonitrile 75-05-8	Acrolein 107-02-8
1	17.015	20.388	2.040	0.043
401	0.930	11.236	1.299	0.051
1929	--	--	0.00556	--
1939	--	--	0.00397	--

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TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Acrylic Acid 79-10-7	Acrylonitrile 107-13-1	Allyl Chloride 107-05-1	p-Aminodiphenyl 92-67-1
1	0.002	0.071	0.170	0.000
401	0.220	0.219	0.218	0.000

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Ammonium Chloride 12125-02-9	Aniline 62-53-3	Antimony Compounds	Arsenic 7440-38-2
1	--	0.018	--	--
301	--	--	--	0.00159
302	--	--	0.000794	0.0000397
303	--	--	--	0.00476
401	--	2.200	0.0794	0.0270
403	--	--	--	0.00159
601	--	--	--	0.000127
803	--	--	0.000302	0.000302
1001	0.140	--	--	--
1924	0.10	--	--	--
1929	0.00635	--	--	--
1930	0.10	--	--	--
1933	0.20	--	--	--
1939	0.00635	--	--	--
2103	0.010	--	--	--

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TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Benzene 71-43-2	Benzyl Chloride 100-44-7	Biphenyl 92-52-4	n-Butylamine 109-73-9
1	1.282	0.001	0.000	0.363
401	1.087	0.220	0.220	0.656
1929	0.00564	--	--	--
1939	0.00397	--	--	--

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Cadmium 7440-43-9	Cadmium Oxide 1306-19-0	Carbon Disulfide 75-15-0	Carbon Tetrachloride 56-23-5
1	--	0.000	0.179	0.023
302	0.0000397	--	--	--
303	0.0000238	--	--	--
401	--	0.015	0.218	0.220
601	0.0000532	--	--	--

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Chlorine 7782-50-5	Chloroform 67-66-3	Chromium(+6) Compounds	Cobalt Compounds
1	--	0.052	--	--
3	0.003175	--	--	--
8	--	--	--	0.000238
301	--	--	0.00159	--
302	--	--	0.0198	0.000397

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TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Chlorine 7782-50-5	Chloroform 67-66-3	Chromium(+6) Compounds	Cobalt Compounds
303	--	--	0.00476	0.000206
401	--	0.220	0.0214	--
403	--	--	0.0000303	--
601	--	--	0.0000341	0.0000119
803	--	--	--	0.00556
1602	0.0897	--	--	--
1924	--	--	--	0.0005
1930	--	--	--	0.000794
1933	--	--	--	0.000794
2101	2.50	--	--	0.000794
2102	1.50	--	--	--

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Cresols 1319-77-3	Cumene 98-82-8	Cyanamide 420-04-2	Dibutylphthalate 84-74-2
1	0.002	0.000	0.000	0.000
401	1.100	0.022	0.220	1.100

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	n,n- Dimethylaniline 121-69-7	Dimethyl Formamide 68-12-2	Dimethyl Sulfate 77-78-1	1,4-Dioxane 123-91-1
1	0.052	0.002	0.000	32.001
401	2.199	0.220	0.220	0.628

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TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Ethanethiol 75-08-1	Ethanolamine 141-43-5	Ethylene Dichloride 107-06-2	Ethylene Glycol 107-21-1
1	0.262	0.000794	0.031	0.001
401	0.217	0.440	0.220	1.100
1913	--	0.152	--	--
1914	--	0.152	--	--
1915	--	0.152	--	--
2103	--	0.0119	--	--

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Formaldehyde 50-00-0	Formic Acid 64-18-6	Furfural 98-01-1	Hexane 110-54-3
1	0.0214	0.775	1.045	1.580185
401	0.220	1.092	6.590	1.084
403	--	--	--	0.0103
803	--	--	--	0.00714
1302	--	--	--	0.00159
1503	0.0302	--	--	--
1511	0.000302	--	--	--
1601	--	--	--	0.0452
1602	--	--	--	0.0159
1603	--	--	--	0.0452
1901	--	0.00397	--	--
1902	--	0.00397	--	--

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TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Formaldehyde 50-00-0	Formic Acid 64-18-6	Furfural 98-01-1	Hexane 110-54-3
1903	--	--	--	0.00794
1913	--	0.0103	--	--
1914	--	0.0103	--	--
1915	--	0.0103	--	--
1919	--	--	--	0.0183
1922	0.00318	0.440	--	--
1929	--	--	--	0.00873
1934	--	--	--	0.023
1939	--	--	--	0.01016
2101	--	0.20	--	--
2102	--	0.30	--	--
2103	--	0.0302	--	--

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Hydrazine 302-01-2	Hydrochloric Acid 7647-01-0	Hydrogen Fluoride 7664-39-3	Hydrogen Sulfide 7783-06-4
2	--	0.00476	--	--
3	--	0.0127	--	--
4	--	0.0897	--	--
5	--	0.000103	--	--
6	--	0.00238	--	--
401	--	4.50	0.548	--
403	--	0.60	--	--

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TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Hydrazine 302-01-2	Hydrochloric Acid 7647-01-0	Hydrogen Fluoride 7664-39-3	Hydrogen Sulfide 7783-06-4
802	0.00318	0.0198	--	--
1001	--	1.00	--	--
1101	--	0.0159	--	--
1513	--	0.0603	--	--
1602	--	8.80	--	--
1801	--	1.05	--	0.840
1804	--	1.05	--	--
1903	--	0.0302	--	--
1910	--	0.10	--	--
1913	--	1.70	--	--
1914	--	0.15	--	--
1915	--	0.10	--	--
1922	0.00318	--	--	--
1924	--	0.05	--	--
1929	--	3.30	--	0.140
1930	--	0.050	--	--
1933	--	0.10	--	--
1939	--	1.50	--	0.16
2101	--	0.60	0.0317	0.050
2102	--	3.0	--	--
2103	0.0167	--	--	--

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TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Isophorone 78-59-1	Isopropylamine 75-31-0	Kepone 143-50-0	Maleic Anhydride 108-31-6
1	0.001	22.200	0.000	0.000
401	0.660	0.284	0.000	0.220

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Manganese Compounds N/A	Mercury 7439-97-6	Methanol 67-56-1	Methyl Chloroform 71-55-6
1	--	--	1.580	130.509
302	0.00119	--	--	--
303	0.000238	--	--	--
401	--	0.003175	1.084	5.955
403	0.000243	--	0.0103	--
601	--	0.0000548	--	--
803	0.000302	--	0.00714	--
1302	--	--	0.00159	--
1601	--	--	0.0452	--
1602	--	--	0.0159	--
1603	--	--	0.0452	--
1903	--	--	0.00794	--
1910	0.40	--	--	--
1919	--	--	0.0183	--
1929	--	--	0.00873	--
1934	--	--	0.0230	--

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TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Manganese Compounds N/A	Mercury 7439-97-6	Methanol 67-56-1	Methyl Chloroform 71-55-6
1939	--	--	0.00476	--

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Methyl Ethyl Ketone 78-93-3	Methyl Iodide 74-88-4	Methyl Mercaptan 74-93-1	Methylamine 74-89-5
1	394.642	0.111	0.643	2.810
401	7.054	0.221	0.113	0.190

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Methylene Chloride 75-09-2	4,4-Methylenedianiline 101-77-9	Methyl-Isobutyl Ketone 108-10-1	Nickel 7440-02-0
1	88.001	0.001	3.697	--
301	--	--	--	0.00159
302	--	--	--	0.0119
303	--	--	--	0.0190
401	0.000	0.220	5.463	--
403	--	--	--	0.000302
404	--	--	--	0.0000198
601	--	--	--	0.0000706
803	--	--	--	0.00318
1914	--	--	--	0.00119

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TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Nickel Oxide 1313-99-1	Nitric Acid 7697-37-2	p-Nitroaniline 100-01-6	Nitrobenzene 98-95-3
1	--	--	0.000	0.008
8	--	0.050	--	--
302	0.0198	--	--	--
401	0.0230	--	0.220	2.200
403	0.00635	--	--	--
601	0.0000873	--	--	--
802	--	0.00318	--	--
1302	0.00238	--	--	--
1804	--	0.0198	--	--
1903	--	0.10	--	--
1905	--	0.0103	--	--
1906	--	0.50	--	--
1907	--	0.0103	--	--
1919	--	0.20	--	--
1922	--	0.12	--	--
1924	--	0.0119	--	--
1927	--	0.500	--	--
1930	--	0.0119	--	--
1933	--	0.0198	--	--
2101	--	3.90	--	--

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TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	2-Nitropropane	Phenol	p-Phenylenediamine	Phosgene
	79-46-9	108-95-2	106-50-3	75-44-5
1	0.042	1.020	0.005	0.000
401	0.660	11.000	0.070	0.102

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Phosphine 7803-51-2	Phosphoric Acid 7664-38-2	Polycyclic Organic Matter	Selenium Compounds
1	0.000	--	0.009	--
401	0.080	1.30	6.600	0.031
403	--	0.88	--	--
601	--	--	--	0.000127
1919	--	0.0198	--	--
1924	--	0.0103	--	--
1929	--	0.10	--	--
1930	--	0.0103	--	--
1933	--	0.0198	--	--
1939	--	0.10	--	--

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Sodium Hydroxide 1310-73-2	Sulfuric Acid 7664-93-9	Toluene 108-88-3	o-Toluidine 95-53-4
1	--	--	112.0273	0.024

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TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	Sodium Hydroxide 1310-73-2	Sulfuric Acid 7664-93-9	Toluene 108-88-3	o-Toluidine 95-53-4
401	--	0.011111	9.879531	2.200
1302	0.310323	--	--	--
1924	--	0.010318	--	--
1929	--	--	0.002381	--
1930	--	0.010318	--	--
1933	--	0.019842	--	--
1939	--	--	0.001587	--
2101	--	0.069842	--	--
2102	--	0.150003	--	--

TOXIC AIR POLLUTANTS - STANDARD NO.8				
Emission Point ID	Emission Rates (lb/hr)			
	1,1,2-Trichloroethane	Triethylamine	Vinyl Acetate	Xylene
	79-00-5	121-44-8	108-05-4	1330-20-7
1	0.395	9.181901	0.040	33.09897
401	0.876	1.888127	0.220	10.66923
1924	--	0.900015	--	--
1929	--	0.16032	--	0.002381
1930	--	0.900015	--	--
1933	--	1.80003	--	--
1939	--	0.380165	--	0.001587

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TOXIC AIR POLLUTANTS - STANDARD NO.8	
Emission Point ID	Emission Rate (lb/hr)
	Xylidine 1300-73-8
1	0.199
401	2.638